Datasheet for ABIN7536217

CXCL1 Protein

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Overview

Quantity:	100 µg
Target:	CXCL1
Origin:	Human
Source:	Yeast (Pichia pastoris)
Protein Type:	Recombinant

Product Details

Purpose:	Recombinant Human CXCL1/GRO-alpha Protein
Sequence:	ASVATELRCQ CLQTLQGIHP KNIQSVNVKS PGPHCAQTEV IATLKNGRKA CLNPASPIVK KIIEKMLNSD KSN
Specificity:	Ala35-Asn107
Purity:	> 95 % by SDS-PAGE.
Sterility:	0.22 µm filtered
Endotoxin Level:	<0.1EU/µg

Target Details

Target:	CXCL1
Alternative Name:	CXCL1/GRO-alpha (CXCL1 Products)
Background:	Description: Has chemotactic activity for neutrophils. May play a role in inflammation and exerts its effects on endothelial cells in an autocrine fashion. In vitro, the processed forms GRO-alpha(4-73), GRO-alpha(5-73) and GRO-alpha(6-73) show a 30-fold higher chemotactic activity.

Target Details

	Name: FSP, GRO1, GROa, MGSA, NAP-3, SCYB1, MGSA-a,CXCL1
Gene ID:	2919
UniProt:	P09341-1
Pathways:	Autophagy

Application Details

Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid votex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stablizer (e.g. 0.1 % BSA, 5 % HSA, 10 % FBS or 5 % Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.
Buffer:	Lyophilized from a 0.22 μm filtered solution of PBS, pH 7.4.
Storage:	-20 °C,-80 °C
Storage Comment:	Store the lyophilized protein at -20°C to -80°C for 12 months.|After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.